

## \* NOTICES \*

JP 2508730

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CLAIMS

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(57) [The scope of a claim for utility model registration]

[Claim 1]On a floor board, the upper surface allocates a smooth floor member and forms cavity parts for wiring, such as a telecommunication cable, among them, And floor construction having adsorbed mounting boards, such as a carpet which provided a flexible foamed resin layer intermingled in a countless closed cell object which has adsorptivity by a pressing action to a smooth side on a field of a floor member, and an open cell object in a rear face, and making them construct.

[Claim 2]The floor construction according to claim 1 in which a mounting board rear face provides a foamed resin layer on the whole or selectively.

[Claim 3]On a floor board, allocate a floor member and cavity parts for wiring, such as a telecommunication cable, are formed among these, And a flexible foamed resin layer which is intermingled in a countless closed cell object and an open cell object on the upper surface of a floor member, and has adsorptivity by a pressing action to a smooth side on it while is provided, And floor construction having formed a smooth side by a resin layer, having adsorbed this smooth side at said foamed resin layer, and making a rear face of mounting boards, such as a carpet, construct a mounting board on a field of said floor member.

[Claim 4]The floor construction according to claim 3 which provides a foamed resin layer in the floor member upper surface on the whole or selectively and in which a mounting board rear face provides a resin layer on the whole or selectively.

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## DETAILED DESCRIPTION

[A detailed explanation of the device]

Field of the Invention This application is related with floor construction constituted so that a telecommunication cable etc. could wire between a floor board which comprises concrete etc., and a floor member allocated on the field.

A Prior art Conventionally between a floor board which comprises concrete etc., and a floor member allocated on the field, a cavity part for wiring so that a telecommunication cable etc. can wire, [ form and ] Floor construction which pastes up mounting boards, such as a carpet, with adhesives on a field of a floor member ranging over other floor members is publicly known, and as a floor member, In an undersurface 4 corner position of an alcove slab, or a thing which installs two or more leg pieces so that it may be parallel to one side of an alcove slab, Or what comprises a thing which there are some etc. which lay a corner part of an alcove slab to join, respectively ranging over a supporting plate formed in the upper part of four pier studs which were set up on a floor board, and in which height adjustment is possible, and comprises a synthetic resin as a raw material, or a steel plate exists.

The issue which a device tends to solve When the place of OA equipment is changed in time, for example, Or when extending new OA equipment, it is necessary to also change the wiring mode of a cable in connection with this, and to remove a floor member selectively from a floor board along wiring of a telecommunication cable in this case, and. According to the conventional floor construction, the mounting board was pasted up with adhesives on the field of a floor member, since, when removing a floor member from a floor board, the mounting board was exfoliated by force from the floor member, or there was inconvenience that a mounting board had to be cut selectively.

Then, this application aims at canceling the above-mentioned conventional inconvenience.

The means for solving a technical problem In order that this application may attain the above-mentioned purpose, On a floor board, the upper surface allocates a smooth floor member and forms cavity parts for wiring, such as a telecommunication cable, among them, And it is characterized by having adsorbed mounting boards, such as a carpet which provided the flexible foamed resin layer intermingled in the countless closed cell object which has adsorptivity by a pressing action to a smooth side on the field of a floor member, and an open cell object in the rear face, and making them construct, and a floor member is allocated on a floor board, Form cavity parts for wiring, such as a telecommunication cable, among these, and on and the upper surface of a floor member. A countless closed cell object and an open cell object are intermingled, and the flexible foamed resin layer which has adsorptivity by a pressing action to a smooth side while is provided, And in [ form a smooth side in the rear face of mounting boards, such as a carpet, by a resin layer, adsorb this smooth side at said foamed resin layer, and it is characterized by making a mounting board construct on the field of said floor member, and ] the above, It may provide in the case where it provides over the whole surface which constructs the resin layer which forms a foamed resin layer or a smooth side, and a required position, selectively.

operation \*\*\*\* -- after carrying out, and allocating a floor member on a floor board as usual and wiring a telecommunication cable, a mounting board is constructed on the field of the floor member, and it presses against the resin layer in which the foamed resin layer was formed at the upper surface of a floor member or the rear face of a mounting board which is a smooth side.

Then, a foamed resin layer sticks to the upper surface or the resin layer of a floor member, and a mounting board is fixed on the field of a floor member.

And when it is going to change the wiring mode of the telecommunication cable allocated between the floor member and the floor board, After exfoliating a mounting board from a floor member, and exposing the floor member of a required part, and removing the floor member of the portion from a floor board top and changing a wiring mode, a floor member is returned on a floor board and a mounting board is made to stick to the upper surface again.

Example When the example of this application is explained in full detail based on a drawing below, (1) on for example, the undersurface of the alcove slab (1) a whose one side is 500 mm. The floor member which installs two or more leg pieces (1) b which are parallel to one of them is shown, this floor member (1) is allocated in the floor board (2) which comprises concrete in the shape of high density, and a telecommunication cable (4) is allocated in the cavity part (3) formed between this floor board (2) and said floor member (1). (5) is a mounting board which comprises the carpet etc. which are constructed on the upper surface of the floor member (1) allocated on the floor board (2), the foamed resin layer (6) which a countless closed cell object and an open cell object are intermingled at the rear face, and is flexible on the whole or selectively at it, and has adsorptivity to a smooth side at it -- an application means -- or a foaming resin sheet is pasted up and it has provided.

A deer is carried out, and the mounting board (5) constituted in this way is constructed on the field of the floor

member (1) allocated on the floor board (2), and this is pressed.

Then, when the surface of the alcove slab (1) a of the floor member (1) which comprises a synthetic resin thru/or a steel plate is a smooth side, a foamed resin layer (6) sticks to the surface of the alcove slab (1) a, and a mounting board (5) is fixed on the field of a floor member (1).

In this state, when it is going to change the wiring mode of a telecommunication cable (4), After exfoliating a mounting board (5) from the surface of a floor member (1), and exposing a floor member (1), and removing a floor member (1) from a floor board (2) and changing wiring of a telecommunication cable (4), a floor member (1) is returned to a floor board (2), and a mounting board (5) is again pressed on the field of a floor member (1).

Although the above-mentioned example showed the case where a foamed resin layer (6) was provided in the rear face of a mounting board (5), As shown in Drawing 3, provide a foamed resin layer (6) in the surface on the whole or selectively at the alcove slab (1) a of a floor member (1), and in the rear face of this and the mounting board (5) which counters. A smooth resin layer (7) is provided by carrying out the coat of the resin liquid, or pasting up a resin sheet, and other examples at the time of making this resin layer (7) and a foamed resin layer (6) adsorb are shown.

Effect of a device Since it can exfoliate easily from a floor member as mentioned above according to this application, without cutting a mounting board like before or doing damage, When wiring a telecommunication cable, it is very convenient, and also when changing the whole mounting board for a change etc., it has the advantage of being convenient.

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DESCRIPTION OF DRAWINGS

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## [Brief Description of the Drawings]

A drawing shows the example of this application and Drawings 1 are a whole front view and a partial enlarged vertical longitudinal sectional view in the example of others [ Drawing / 2 / Drawing / a partial enlarged vertical longitudinal sectional view and / 3 ].

the inside of a figure, and (1) -- a floor member and (1) a -- as for an alcove slab and (1) b, as for a cavity part and (4), a leg piece and (2) are [ a mounting board and (6) ] foamed resin layers a telecommunication cable and (5) a floor board and (3).

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[Translation done.]

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請求項の数4 (全 3 頁)

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		(56)参考文献	特開 平1-187255 (J P, A) 実開 昭51-71020 (J P, U) 実開 昭62-148175 (J P, U) 特公 昭59-11613 (J P, B 2)

(54)【考案の名称】 床構造

(57)【実用新案登録請求の範囲】

【請求項1】床盤上に、上面が平滑な床部材を配設して、それらの間に通信ケーブルなどの配線用空隙部を形成し、かつ、床部材の面上に、平滑面に対し押圧作用により吸着性を有する無数の独立気泡体と連続気泡体とを混在して成る柔軟な発泡樹脂層を裏面に設けたカーペットなどの表装板を吸着して敷設せしめたことを特徴とする床構造。

【請求項2】発泡樹脂層を、表装板裏面の全体的に或いは部分的に設けて成る請求項1記載の床構造。

【請求項3】床盤上に、床部材を配設して、これらの間に通信ケーブルなどの配線用空隙部を形成し、かつ、床部材の上面に、無数の独立気泡体と連続気泡体とを混在して成ると共に平滑面に対して押圧作用により吸着性を有する柔軟な発泡樹脂層を設け、かつ、カーペットなど

の表装板の裏面に、樹脂層により平滑面を形成し、この平滑面を、前記発泡樹脂層に吸着して、前記床部材の面上に、表装板を敷設せしめたことを特徴とする床構造。

【請求項4】発泡樹脂層を、床部材上面に全体的に或いは部分的に設け、かつ、樹脂層を表装板裏面の全体的に或いは部分的に設けて成る請求項3記載の床構造。

【考案の詳細な説明】

産業上の利用分野

本願は、コンクリートなどから成る床盤と、その面上に配設される床部材との間に通信ケーブルなどが配線できるように構成した床構造に関する。

従来の技術

従来、コンクリートなどから成る床盤と、その面上に配設される床部材との間に、通信ケーブルなどが配線できるように、配線用空隙部を形成し、かつ、床部材の面

上に、他の床部材に跨がってカーペットなどの表装板を接着剤により接着して成る床構造は公知であり、床部材としては、床板の下面4隅位置に或いは床板の一边に平行するように複数の脚片を垂設して成るもの、若しくは床盤上に立設した高さ調整可能な4本の脚柱の上部に設けた受板に跨がって、接合する床板のコナ部を夫々載置して成るものなどがあり、また素材として、合成樹脂から成るもの或いは鋼板から成るものなどが存在する。

考案が解決しようとする課題

ところで、例えばOA機器を配置替える場合、或いは新規なOA機器を増設する場合、これに伴ってケーブルの配線態様も変更する必要がある、この場合、通信ケーブルの配線に沿って床部材を床盤上から部分的に取り除く必要があるが、従来の床構造によれば、床部材の面上に表装板を接着剤により接着して成るので、床部材を床盤上から取り除く際に、床部材から表装板を無理に剥離するか或いは表装板を部分的に切断しなければならないという不都合があった。

そこで本願は、上記した従来の不都合を解消することを目的としたものである。

課題を解決するための手段

本願は上記した目的を達成するために、床盤上に、上面が平滑な床部材を配設して、それらの間に通信ケーブルなどの配線用空隙部を形成し、かつ、床部材の面上に、平滑面に対し押圧作用により吸着性を有する無数の独立気泡体と連続気泡体とを混在して成る柔軟な発泡樹脂層を裏面に設けたカーペットなどの表装板を吸着して敷設せしめたことを特徴とするものであり、また床盤上に、床部材を配設して、これらの間に通信ケーブルなどの配線用空隙部を形成し、かつ、床部材の上面に、無数の独立気泡体と連続気泡体とを混在して成ると共に平滑面に対して押圧作用により吸着性を有する柔軟な発泡樹脂層を設け、かつ、カーペットなどの表装板の裏面に、樹脂層により平滑面を形成し、この平滑面を、前記発泡樹脂層に吸着して、前記床部材の面上に、表装板を敷設せしめたことを特徴とするものであり、上記において、発泡樹脂層或いは平滑面を形成する樹脂層を敷設する全面にわたって設ける場合と、所要位置に部分的に設ける場合とがある。

作用

しかして、従来と同様に、床盤上に床部材を配設し、かつ、通信ケーブルを配線したのち、その床部材の面上に表装板を敷設すると共に、発泡樹脂層を平滑面である床部材の上面乃至は表装板の裏面に形成した樹脂層に押し当てる。

すると、発泡樹脂層が床部材の上面乃至は樹脂層に吸着して、表装板は床部材の面上に固定される。

そして、床部材と床盤との間に配設された通信ケーブルの配線態様を変更しようとするときは、床部材から表装板を剥離して、所要部分の床部材を露出し、かつ、そ

の部分の床部材を床盤上より取り除いて配線態様を変更したのち、床部材を床盤上に戻して、その上面に表装板を再び吸着させるものである。

実施例

以下図面にもとづいて本願の実施例を詳述すると、

(1)は例えば一边が500mmの床板(1) aの下面に、その一边と平行する複数の脚片(1) bを垂設して成る床部材を示しており、この床部材(1)を、コンクリートから成る床盤(2)に密集状に配設し、この床盤(2)と前記床部材(1)との間に形成された空隙部(3)に、通信ケーブル(4)が配設される。(5)は床盤(2)上に配設された床部材(1)の上面に敷設するカーペットなどから成る表装板で、その裏面に、全体的に或いは部分的に、無数の独立気泡体と連続気泡体とが混在し、かつ、柔軟で平滑面に対して吸着性を有する発泡樹脂層(6)が、塗布手段により或いは発泡樹脂シートを接着するなどして設けてある。

しかして、このように構成された表装板(5)を、床盤(2)上に配設した床部材(1)の面上に敷設し、かつ、これを押圧する。

すると、合成樹脂乃至鋼板から成る床部材(1)の床板(1) aの表面が平滑面であることにより、発泡樹脂層(6)が床板(1) aの表面に吸着して、表装板(5)は床部材(1)の面上に固定される。

この状態において、通信ケーブル(4)の配線態様を変更しようとするときは、床部材(1)の表面より表装板(5)を剥離して床部材(1)を露出し、かつ、床部材(1)を床盤(2)上から取り除いて通信ケーブル(4)の配線を変更したのち、床部材(1)を床盤(2)に戻して、再び表装板(5)を床部材(1)の面上の押し当てるものである。

上記実施例は、表装板(5)の裏面に発泡樹脂層(6)を設けた場合を示したが、第3図で示すように、床部材(1)の床板(1) aに表面に全体的に或いは部分的に発泡樹脂層(6)を設け、これと対向する表装板(5)の裏面には、樹脂液をコートするか、或いは樹脂シートを接着するなどして平滑な樹脂層(7)を設けて、この樹脂層(7)と、発泡樹脂層(6)とを吸着させた場合の他の実施例を示している。

考案の効果

以上のように、本願によれば、従来のように表装板を切断したり或いは損傷を与えることなく、床部材から容易に剥離することができるので、通信ケーブルを配線する際に極めて便利であると共に、模様替えなどのために、表装板全体を変換する場合にも便利であるという利点を有する。

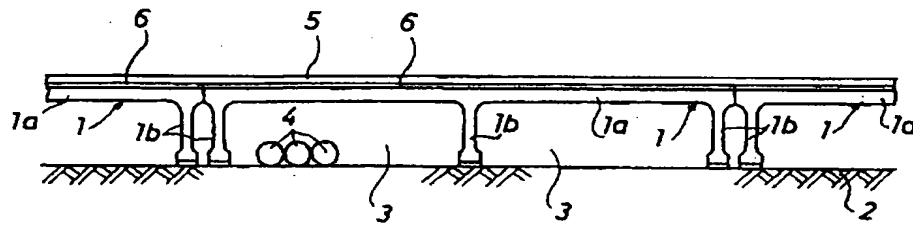
【図面の簡単な説明】

図面は本願の実施例を示すもので、第1図は総体正面図、第2図は部分拡大縦断面図、第3図は他の実施例における部分拡大縦断面図である。

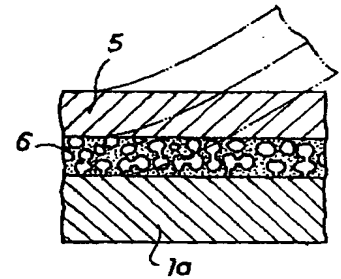
図中、(1)は床部材、(1) aは床板、(1) bは脚片、(2)は床盤、(3)は空隙部、(4)は通信ケ

ーブル、(5)は表装板、(6)は発泡樹脂層である。

【第1図】



【第2図】



【第3図】

